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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/038,327	01/02/2002	Thomas J. Wheeler	0275Y-000388	7251
27572	7590	11/03/2004	EXAMINER	
HARNESS, DICKEY & PIERCE, P.L.C. P.O. BOX 828 BLOOMFIELD HILLS, MI 48303			DEXTER, CLARK F	
			ART UNIT	PAPER NUMBER
			3724	

DATE MAILED: 11/03/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/038,327

Applicant(s)

WHEELER ET AL.

Examiner

Clark F. Dexter

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 24 June 2004.  
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 16-25 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☒ Claim(s) 16 and 17 is/are allowed.  
6) ☒ Claim(s) 18, 19, 21-23 and 25 is/are rejected.  
7) ☒ Claim(s) 20 and 24 is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.  
10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

1. The amendment filed on June 24, 2004 has been entered.

### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claim 18 is rejected under 35 U.S.C. 102(b) as being anticipated by Holzer, Jr., pn 5,103,565.

Holzer discloses a saw blade (e.g., 32) with every structural limitation of the claimed invention including an angularly disposed edge section (e.g., at the rightmost end of 32).

4. Claim 18 and 22 are rejected under 35 U.S.C. 102(b) as being anticipated by Langhoff, pn 5,306,025.

Langhoff discloses a saw blade (e.g., 4) with every structural limitation of the claimed invention including an angularly disposed edge section (e.g., at the uppermost end of 14 as shown in Figure 6).

Regarding claim 22, Langhoff discloses a pair of lateral walls (e.g., 22 and/or 23) that are integrally connected to one another by a base portion extending therebetween.

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5. Claim 18 and 22 are rejected under 35 U.S.C. 102(b) as being anticipated by Wright, pn 5,433,457.

Wright discloses a saw blade (e.g., 50, 150, 302) with every structural limitation of the claimed invention including an angularly disposed edge section (e.g., 64, 314).

Regarding claim 22, Wright discloses a pair of lateral walls (e.g., 88, unmarked but shown in Figures 10, 11) that are integrally connected to one another by a base portion extending therebetween (32; unmarked but shown in Figure 10).

***Claim Rejections - 35 USC § 102/103***

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

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7. Claim 21 is rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Holzer, Jr., pn 5,103,565.

Holzer discloses a saw blade (e.g., 32) with every structural limitation of the claimed invention including an angularly disposed edge section and a mounting edge perpendicular thereto (e.g., at the rightmost end of 32 as shown in Figure 4).

In the alternative, if it is argued that Holzer does not disclose a mounting edge perpendicular to the angularly disposed edge section as claimed, the Examiner takes Official notice that such shank configurations are old and well known in the art and provide various well known benefits including a simple configuration that efficiently and effectively holds the saw blade in place. For example, it is well known in the art to make the angularly disposed edge sections of a blade such as that shown in Figure 4 at an angle of 45 degrees with respect to the cutting edge and back edges (thus being perpendicular to each other). Therefore, it would have been obvious to one having ordinary skill in the art to provide such a support structure for the saw blade of Holzer for the well known benefits including those described above.

8. Claims 21 and 25 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Langhoff, pn 5,306,025.

Langhoff discloses a saw blade (e.g., 4) with every structural limitation of the claimed invention including an angularly disposed edge section and a mounting edge perpendicular thereto (e.g., at the uppermost end of 14 as shown in Figure 6).

In the alternative, if it is argued that Langhoff does not disclose a mounting edge perpendicular to the angularly disposed edge section as claimed, the Examiner takes

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Official notice that such shank configurations are old and well known in the art and provide various well known benefits including a simple configuration that efficiently and effectively holds the saw blade in place. For example, it is well known in the art to make the angularly disposed edge sections of a blade such as that shown in Figure 6 at an angle of 45 degrees with respect to the cutting edge and back edges (thus being perpendicular to each other). Therefore, it would have been obvious to one having ordinary skill in the art to provide such a support structure for the saw blade of Langhoff for the well known benefits including those described above.

***Claim Rejections - 35 USC § 103***

9. Claim 19 is rejected under 35 U.S.C. 103(a) as being unpatentable over Holzer, Jr., pn 5,103,565 in view of Tseng, pn 5,664,792.

Holzer discloses a saw blade (e.g., 32) with almost every structural limitation of the claimed invention but lacks the shank portion having an aperture with a flat rear edge. However, the Examiner takes Official notice that such apertures are old and well known in the art and provide various known benefits including facilitating mounting and dismounting of the saw blade. Tseng discloses one example of such an aperture. Therefore, it would have been obvious to one having ordinary skill in the art to provide such an aperture on the saw blade of Holzer for the well known benefits including that described above.

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10. Claims 19 and 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Langhoff, pn 5,306,025 in view of Tseng, pn 5,664,792.

Langhoff discloses a saw blade (e.g., 4) with almost every structural limitation of the claimed invention but lacks the shank portion having an aperture with a flat rear edge. However, the Examiner takes Official notice that such apertures are old and well known in the art and provide various known benefits including facilitating mounting and dismounting of the saw blade. Tseng discloses one example of such an aperture. Therefore, it would have been obvious to one having ordinary skill in the art to provide such an aperture on the saw blade of Langhoff for the well known benefits including that described above.

11. Claims 19 and 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wright, pn 5,433,457 in view of Tseng, pn 5,664,792.

Wright discloses a saw blade (e.g., 50, 150, 302) with almost every structural limitation of the claimed invention but lacks the shank portion having an aperture with a flat rear edge. However, the Examiner takes Official notice that such apertures are old and well known in the art and provide various known benefits including facilitating mounting and dismounting of the saw blade. Tseng discloses one example of such an aperture. Therefore, it would have been obvious to one having ordinary skill in the art to provide such an aperture on the saw blade of Wright for the well known benefits including that described above.

***Allowable Subject Matter***

12. Claims 16 and 17 are allowable over the prior art of record.
13. Claims 20 and 24 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

***Response to Arguments***

14. Applicant's arguments with respect to claims 18, 19 and 21 filed June 24, 2004 have been fully considered but they are not persuasive. It is respectfully submitted that Holzer continues to meet the claims as amended, particularly as described above.
15. Applicant's arguments with respect to claims 22, 23 and 25 have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

16. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the



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shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

17. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Clark F. Dexter whose telephone number is (703)308-1404. The examiner can be reached Monday through Friday during normal business hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Allan N. Shoap can be reached on (703)308-1082. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



**Clark F. Dexter**  
**Primary Examiner**  
**Art Unit 3724**